

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/525,105  
Source: PCT  
Date Processed by STIC: 3/2/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/02/2005

PATENT APPLICATION: US/10/525,105

TIME: 12:59:13

Input Set : A:\seq P04-222.txt

Output Set: N:\CRF4\03022005\J525105.raw

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3 <110> APPLICANT: Takeda Pharmaceutical Company Limited
5 <120> TITLE OF INVENTION: PREVENTIVES/REMEDIES FOR CANCER
7 <130> FILE REFERENCE: P04-222PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/525,105
C--> 9 <141> CURRENT FILING DATE: 2005-02-18
9 <150> PRIOR APPLICATION NUMBER: JP 2002-240830
10 <151> PRIOR FILING DATE: 2002-08-21
12 <150> PRIOR APPLICATION NUMBER: JP 2002-363108
13 <151> PRIOR FILING DATE: 2002-12-13
15 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/010532
16 <151> PRIOR FILING DATE: 2003-08-20
18 <160> NUMBER OF SEQ ID NOS: 44
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 774
22 <212> TYPE: PRT
23 <213> ORGANISM: Homo sapiens
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27           5              10              15
28 Tyr Gly Pro Trp Leu Cys Leu Leu Val Ala Leu Ala Leu Asp Val Val
29           20              25              30
30 Arg Val Asp Cys Gly Gln Ala Pro Leu Asp Pro Val Tyr Leu His Val
31           35              40              45
32 Thr Ala Ala Arg Pro Ala Gln Pro Thr Leu Trp Thr Ala Lys Leu Asp
33           50              55              60
34 Arg Phe Lys Gly Ser Arg His His Thr Thr Leu Ile Thr Cys His Arg
35           65              70              75              80
36 Ala Gly Leu Thr Glu Pro Asp Ser Ser Ser Pro Leu Glu Leu Ser Glu
37           85              90              95
38 Phe Leu Trp Val Asp Phe Val Val Glu Asn Ser Thr Gly Gly Gly Val
39           100             105             110
40 Ala Val Thr Arg Pro Val Thr Trp Gln Leu Glu Tyr Pro Gly Gln Ala
41           115             120             125
42 Pro Glu Ala Glu Lys Asp Lys Met Val Trp Glu Ile Leu Val Ser Glu
43           130             135             140
44 Arg Asp Ile Arg Ala Leu Ile Pro Leu Ala Lys Ala Glu Glu Leu Val
45           145             150             155             160
46 Asn Thr Ala Pro Leu Thr Gly Val Pro Gln His Val Pro Val Arg Leu
47           165             170             175
48 Val Thr Val Asp Gly Gly Gly Ala Leu Val Glu Val Thr Glu His Val
49           180             185             190
50 Gly Cys Glu Ser Ala Asn Thr Gln Val Leu Gln Val Ser Glu Ala Cys
51           195             200             205

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52 Asp Ala Val Phe Val Ala Gly Lys Glu Ser Arg Gly Ala Arg Gly Val
53      210                      215                      220
54 Arg Val Asp Phe Trp Trp Arg Arg Leu Arg Ala Ser Leu Arg Leu Thr
55 225                      230                      235                      240
56 Val Trp Ala Pro Leu Leu Pro Leu Arg Ile Glu Leu Thr Asp Thr Thr
57      245                      250                      255
58 Leu Glu Gln Val Arg Gly Trp Arg Val Pro Gly Pro Ala Glu Gly Pro
59      260                      265                      270
60 Ala Glu Pro Ala Ala Glu Ala Ser Asp Glu Ala Glu Arg Arg Ala Arg
61      275                      280                      285
62 Gly Cys His Leu Gln Tyr Gln Arg Ala Gly Val Arg Phe Leu Ala Pro
63      290                      295                      300
64 Phe Ala Ala His Pro Leu Asp Gly Gly Arg Arg Leu Thr His Leu Leu
65 305                      310                      315                      320
66 Gly Pro Asp Trp Leu Leu Asp Val Ser His Leu Val Ala Pro His Ala
67      325                      330                      335
68 Arg Val Leu Asp Ser Arg Val Ala Ser Leu Glu Gly Gly Arg Val Val
69      340                      345                      350
70 Val Gly Arg Glu Pro Gly Val Thr Ser Ile Glu Val Arg Ser Pro Leu
71      355                      360                      365
72 Ser Asp Ser Ile Leu Gly Glu Gln Ala Leu Ala Val Thr Asp Asp Lys
73      370                      375                      380
74 Val Ser Val Leu Glu Leu Arg Val Gln Pro Val Met Gly Ile Ser Leu
75 385                      390                      395                      400
76 Thr Leu Ser Arg Gly Thr Ala His Pro Gly Glu Val Thr Ala Thr Cys
77      405                      410                      415
78 Trp Ala Gln Ser Ala Leu Pro Ala Pro Lys Gln Glu Val Ala Leu Ser
79      420                      425                      430
80 Leu Trp Leu Ser Phe Ser Asp His Thr Val Ala Pro Ala Glu Leu Tyr
81      435                      440                      445
82 Asp Arg Arg Asp Leu Gly Leu Ser Val Ser Ala Glu Glu Pro Gly Ala
83      450                      455                      460
84 Ile Leu Pro Ala Glu Glu Gln Gly Ala Gln Leu Gly Val Val Val Ser
85 465                      470                      475                      480
86 Gly Ala Gly Ala Glu Gly Leu Pro Leu His Val Ala Leu His Pro Pro
87      485                      490                      495
88 Glu Pro Cys Arg Arg Gly Arg His Arg Val Pro Leu Ala Ser Gly Thr
89      500                      505                      510
90 Ala Trp Leu Gly Leu Pro Pro Ala Ser Thr Pro Ala Pro Ala Leu Pro
91      515                      520                      525
92 Ser Ser Pro Ala Trp Ser Pro Pro Ala Thr Glu Ala Thr Met Gly Gly
93      530                      535                      540
94 Lys Arg Gln Val Ala Gly Ser Val Gly Gly Asn Thr Gly Val Arg Gly
95 545                      550                      555                      560
96 Lys Phe Glu Arg Ala Glu Glu Glu Ala Arg Lys Glu Glu Thr Glu Ala
97      565                      570                      575
98 Arg Glu Glu Glu Glu Glu Glu Glu Glu Met Val Pro Ala Pro Gln
99      580                      585                      590
100 His Val Thr Glu Leu Glu Leu Gly Met Tyr Ala Leu Leu Gly Val Phe

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101	595	600	605
102	Cys Val Ala Ile Phe Ile Phe Leu Val Asn Gly Val Val Phe Val Leu		
103	610	615	620
104	Arg Tyr Gln Arg Lys Glu Pro Pro Asp Ser Ala Thr Asp Pro Thr Ser		
105	625	630	635
106	Pro Gln Pro His Asn Trp Val Trp Leu Gly Thr Asp Gln Glu Glu Leu		
107	645	650	655
108	Ser Arg Gln Leu Asp Arg Gln Ser Pro Gly Pro Pro Lys Gly Glu Gly		
109	660	665	670
110	Ser Cys Pro Cys Glu Ser Gly Gly Gly Gly Glu Ala Pro Thr Leu Ala		
111	675	680	685
112	Pro Gly Pro Pro Gly Gly Thr Thr Ser Ser Ser Ser Thr Leu Ala Arg		
113	690	695	700
114	Lys Glu Ala Gly Gly Arg Arg Lys Arg Val Glu Phe Val Thr Phe Val		
115	705	710	715
116	Pro Ala Pro Pro Ala Gln Ser Pro Glu Glu Pro Val Gly Ala Pro Ala		
117	725	730	735
118	Val Gln Ser Ile Leu Val Ala Gly Glu Glu Asp Ile Arg Trp Val Cys		
119	740	745	750
120	Glu Asp Met Gly Leu Lys Asp Pro Glu Glu Leu Arg Asn Tyr Met Glu		
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122	Arg Ile Arg Gly Ser Ser		
123	770		
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132	ctctgcctcc tgggtggccct cgccctggac gtcgtgagag tggactgtgg ccaggctccc	120	
133	ctggaccctg tctacctgca tgtgacagcc gcccgccag cccagcccac actctggact	180	
134	gccaagctag accgcttcaa gggtccagg caccacacca cctcatcac ctgccaccgt	240	
135	gctgggctca cagagccaga ttccagcagt ccccttgaac tgtctgagtt cctatgggtg	300	
136	gactttgtgg tggagaatag cactggtggg ggcgtagcgg tcaactcgccc cgtcacgtgg	360	
137	cagctggagt acccaggcca ggcccctgaa gcagagaagg acaaaatggg gtgggaaatc	420	
138	ctggtgtctg agcgggacat cagagccctt atcccactgg ccaaggctga ggagctggtg	480	
139	aatacagcac cactgactgg agtgcccag catgtccccg tgcgccttgt cactgtggac	540	
140	ggcggggggg ccttggtgga ggtgacagag catgtcggct gcgagtctgc caacacacag	600	
141	gtcctgcagg tgtctgaggc ctgtgatgcc gtgttcgtgg ctggcaagga gagccggggc	660	
142	gcccgggggg tgcgagtgga cttctggtgg cgccggctcc gcgcctcgt gcggctgacc	720	
143	gtgtggggcc cgctgctacc gctgcgtatc gagctcaccg acaccaccct cgagcaggtc	780	
144	cgcggtgga gggtagctgg cctgctgaa gggcctgcgg aaccgcgtgc agaggcgtca	840	
145	gatgaggccg agcggcgcg cctgtggtgc cactgcagt accagcgggc cgggtgtgcgc	900	
146	ttcttcgccc ctttcgccc ccaccgcgtg gacggcggcc gccgcctcac gcacctgctt	960	
147	ggccccgact ggctgctaga cgtgtcccac ctctgtggcg cacacgccc cgtgctggac	1020	
148	tcgctgttag cctctctgga ggggtggcgt gtcgtggtgg gccgggagcc cgggtgtcacc	1080	
149	tccattgagg tgcgttcccc actgtctgac tccatcctgg gggagcaggc gctggctgtg	1140	
150	acggacgaca aggtctcagt gctggagctg aggggtgcagc cagtgatggg catctcgtg	1200	
151	accttgagcc ggggcactgc ccaccccggg gaggtcacag ctactgtctg ggcacagtca	1260	

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153 actgtggccc cagctgagct ctacgaccgc cgtgacctgg gactgtccgt ctcagccgag 1380
154 gagcctggtg ccatacctgcc agctgaggag caggggtgccc agctcggggt ggtgggtgagt 1440
155 ggggcaggcg ccgaggggct gccgctgcat gtggctctgc acccgcccga gccctgccgc 1500
156 cggggccgcc accgtgtgcc tctggcctct ggcaccgcct ggctggggct gcccctgcc 1560
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158 accatgggtg gtaaacggca ggtggcaggc agtgtcgggg gcaacacagg tgtgaggggc 1680
159 aagtttgagc gggcagagga ggaggccagg aaggaggaga ccgaagccag ggaggaggag 1740
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164 gaccggcagt cccctggccc gcccaagggg gaggggagct gcccctgtga gagtggggga 2040
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168 cttgtggcag gcgaggagga catccgctgg gtgtgtgagg acatggggct gaaggacctt 2280
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174 <213> ORGANISM: Homo sapiens
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180 tcgcacaaga gcggcccctc gggggcccta cgcccctgg ctctgcctcc tgggtggcct 240
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184 ttccagcagt ccccttgaac tgtctgagtt cctatgggtg gactttgtgg tggagaatag 480
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186 ggcccctgaa gcagagaagg acaaaatggg gtgggaaatc ctggtgtctg agcgggacat 600
187 cagagccctt atcccactgg ccaaggctga ggagctgggt aatacagcac cactgactgg 660
188 agtgccccag catgtccccg tgcgccttgt cactgtggac ggccgggggg ccttgggtgga 720
189 ggtgacagag catgtcggct gcgagtctgc caacacacag gtccctgcagg tgtctgaggc 780
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198 actgtctgac tccatcctgg gggagcaggc gctggctgtg acggacgaca aggtctcagt 1320
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201 ggaggtggcc ctctccctat ggctgtcctt ctctgatcac actgtggccc cagctgagct 1500
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TIME: 12:59:13

Input Set : A:\seq P04-222.txt

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205 tctggcctct ggcaccgctt ggctgggggt gccccctgcc tccactccag cccctgctct 1740
206 cccatccagc cctgcttgga gccaccagc cacagaagcc accatgggtg gtaaaccggca 1800
207 ggtggcaggc agtgtcgggg gcaacacagg tgtgaggggc aagtttgagc gggcagagga 1860
208 ggaggccagg aaggaggaga ccgaagccag ggaggaggag gaggaagagg aggaggagat 1920
209 ggtccctgcc cctcagcatg tcaactgagct agagctgggc atgtacgcc tgctgggagt 1980
210 cttctgcgtg gccatcttca tcttcttggt caatgggtgt gtcttcgtcc tgcgctatca 2040
211 gcgcaaagaa cctcccgaca gtgccactga cccacacctc cccagcccc acaactgggt 2100
212 ctggctgggc actgaccagg aggaactgag ccgccagctg gaccggcagt cccctggccc 2160
213 gcccaggggg gaggggagct gcccctgtga gagtggggga ggaggggagg cccctaccct 2220
214 ggcccctggc cctcctgggg gcaccaccag ctccccaagc accctggccc gaaaggaggc 2280
215 tggggggcgg cggaagcgag tagagtttgt gacatttgtg ccagcccctc cagcccagtc 2340
216 acctgaggag cctgtagggg cccctgctgt gcagtccatc cttgtggcag gcgaggagga 2400
217 catccgctgg gtgtgtgagg acatgggggt gaaggacctt gaggagcttc gcaactacat 2460
218 ggagaggatc cggggcagct cctgacctc cacagccacc tggtcagcca ccagctgggg 2520
219 caacgagggg ggaggtccca ctgagcctct cgccctcccc cgccactcgt ctggtgcttg 2580
220 ttgatccaag tcccctgctt ggtccccccac aaggactccc atccaggccc cctctgccct 2640
221 gccccttgct atggaccatg gtcgtgagga agggctcatg ccccttattt atgggaacca 2700
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224 &lt;210&gt; SEQ ID NO: 4

225 &lt;211&gt; LENGTH: 909

226 &lt;212&gt; TYPE: PRT

227 &lt;213&gt; ORGANISM: Homo sapiens

229 &lt;400&gt; SEQUENCE: 4

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231           5                10                15
232 Tyr Gly Pro Trp Leu Cys Leu Leu Val Ala Leu Ala Leu Asp Val Val
233           20                25                30
234 Arg Val Asp Cys Gly Gln Ala Pro Leu Asp Pro Val Tyr Leu Pro Ala
235           35                40                45
236 Ala Leu Glu Leu Leu Asp Ala Pro Glu His Phe Arg Val Gln Gln Val
237           50                55                60
238 Gly His Tyr Pro Pro Ala Asn Ser Ser Leu Ser Ser Arg Ser Glu Thr
239           65                70                75                80
240 Phe Leu Leu Leu Gln Pro Trp Pro Arg Ala Gln Pro Leu Leu Arg Ala
241           85                90                95
242 Ser Tyr Pro Pro Phe Ala Thr Gln Gln Val Val Pro Pro Arg Val Thr
243           100               105               110
244 Glu Pro His Gln Arg Pro Val Pro Trp Asp Val Arg Ala Val Ser Val
245           115               120               125
246 Glu Ala Ala Val Thr Pro Ala Glu Pro Tyr Ala Arg Val Leu Phe His
247           130               135               140
248 Leu Lys Gly Gln Asp Trp Pro Pro Gly Ser Gly Ser Leu Pro Cys Ala
249           145               150               155               160
250 Arg Leu His Ala Thr His Pro Ala Gly Thr Ala His Gln Ala Cys Arg
251           165               170               175
252 Phe Gln Pro Ser Leu Gly Ala Cys Val Val Glu Leu Glu Leu Pro Ser
253           180               185               190

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**VERIFICATION SUMMARY**

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Input Set : A:\seq P04-222.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date